

IN THE CLAIMS

Claims 1-36 (canceled)

-37 (New) . A process for obtaining polyglycolyl urea resin from aromatic diglycinates for insulating electric conductor, in the absence of HCN polluting residues, comprising the following steps:

A) preparing a methyl diglycinate:

- (i) reacting a mixture of methylhaloester and methylenedianiline in the presence of C_1-C_4 aliphatic solvent under reflux conditions at atmospheric pressure at a solvent reflux temperature of $58-63^{\circ}\text{C}$, wherein said methylhaloester is selected from the group consisting of methylbromopropionate and methylchloropropionate;
- (ii) adding triethylamine, at a rate of 0.178 l/hr. per Kg of product;
- (iii) separating the solvent through atmospheric distillation until 40% of its initial volume is recovered;
- (iv) cooling the reaction solution to 20°C under stirring and then adding water at a volume adequate to dissolve a halogen salt obtained;
- (v) filtering and purifying the diglycinate by washing with water;
- (vi) drying the methyl diglycinate obtained; and

B) preparing polyglycolyl urea resin:

- (i) stirring together a suspension of cresylic acid and said methyl diglycinate in a reactor at room temperature, stirring until a solution is formed;
- (ii) adding methylene diisocyanate under constant stirring to said solution of said cresylic acid and methyl diglycinate, and keeping temperature of said solution from rising above 60 °C;
- (iii) adding a catalyzer to said solution of ii);
- (iv) raising the temperature of the solution up to 200° C.;
- (v) distilling and then cooling the reaction product; and
- (vi) recovering the polyglycolyl urea resin.

38. (New) The process according to claim 37 wherein the mixture reflux is conducted for 19 hours

39. (New) The process according to claim 37 wherein the resin obtained is cooled

to a temperature of 70°C

40. (New) The process according to claim 37 wherein the catalyst in step B(iii) is 1,4 diazobicyclo (2,2,2) octane.

41.(New.) The process according to claim 37 wherein the polyglycolyl urea resin obtained has viscosity (Cp) of 4,800 at 15% solids at 70° C..

42. (New) The process according to claim 37, wherein the C_1-C_4 aliphatic is methanol.

43. (New) The process according to claim 37, wherein the aromatic diglycinate is a methyl diglycinate that corresponds to a stereoisomer mixture having a melting point of $95 - 116^\circ\text{C}$.